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DNA methylation biomarkers for blood-based colorectal cancer screening

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C Lofton-Day, F Model, T DeVos, R Tetzner, ... - Clinical ..., 2008 - Am Assoc Clin Chem
... We estimated DNA amounts for all qPCR assays from **calibration** curves by linear regression on the ... Second, PBLs were required to have an absolute **methylation rate** of 0.2 ... CRC tissue from healthy colon tissue is identical to the selection criterion for first **microarray** and confirms ...

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Microarray-based Ms-SNuPE: Near-quantitative analysis for a high-throughput ...

Z Wu, J Luo, Q Ge, Z Lu - Biosensors and Bioelectronics, 2008 - Elsevier
... the protocol. An example of the **microarray**-based Ms-SNuPE analysis for E-cad03 was shown in Fig. 2. The ... Fig. 2. The **calibration** curve for measuring **methylation rate** at the given CpG site. (Left) Fully methylated and ...

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[PDF] Statistical analysis of microarray based DNA methylation data

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F Model, D der Ingenieurwissenschaften - opus.kobv.de
... process algorithms for normalization, vari- ance stabilization and DNA **methylation rate** estimation are ... DNA methylation proportions based on a small number of global **calibration** mea- surements ... Despite the popularity of **microarray** technology, there remain serious prob- lems ...

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ANALYSIS OF DNA METHYLATION IN CANCER

F Model, J Lewin, C Lofton-Day, G ... - Statistics and Informatics ..., 2009 - books.google.com
... In these cases the respective **methylation rate** estimates will be o by a factor corresponding to the change in ploidity ... For bisul- phite **microarrays** this issue can be avoided by using the redundant methylation and non-methylation measurements for a probe-wise **calibration**. ...

Method for the quantification of methylated DNA

D Guelig, D Habighorst, A Kiuth, A Schmitt, ... - US Patent App. 11/ ..., 2005 - Google Patents
... in part, for example, with Ms-SNuPE, with hybridizations on **microarrays**, with hybridization ... Fisher scores for differentiating adjacent methylation levels) of the **calibration** curves, which are ... The black columns represent the present inven- tion calculating the **methylation rate** by the ...

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[HTML] CpG island methylator phenotype associates with low-degree ...

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YW Cheng, H Piricas, MD Bacolod, G Schemmann ... - Clinical Cancer ..., 2008 - AACR
... of a CIMP subgroup is merely an event with normal distribution of **methylation rate** and may be ... The recent advances in DNA **microarray** technology have made the analysis of global ... To determine the percentage of methylation, **calibration** curves of interrogated cytosines were ...

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Method for the carry-over protection in DNA amplification systems targeting ...

R Tetzner, D Dietrich - US Patent App. 11/665,196, 2005 - Google Patents
... Specific cell types can be correlated with specific methylation patterns and this has been shown for a number of cases (Adorjan et al. (2002) Tumour class prediction and discovery by **microarray**-based DNA methylation analysis. Nucleic Acids Res. 30 (5) e21). ...

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S Rosenberg, DA Nottelman, J Ott, P Paty, F Barany - AACR

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JT Do, DW Han, L Gentile, I Sobek-Klocke, M ... - Stem Cells, 2007 - AlphaMed Press

... All data are normalized to Bact expression and **calibrated** on the F9 EC cells, whose ... Although
the **methylation rate** was similar to that of NSCs, the differentiated hybrid cells, which ... of gene
expression during the differentiation of F9 EC cells using **microarray** technology, Harris ...

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[HTML] Identification and Validation of Colorectal Neoplasia-Specific Methylation ...

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F Model, N Osborn, D Ahlquist, R Gruetzmann, B ... - Molecular Cancer ..., 2007 - AACR

... inflammatory colon tissue samples, were combined because their respective **methylation rate**
distributions were ... of each oligonucleotide was estimated from four spot repetitions per **microarray**
and, on ... control DNAs (Sssl; New England Biomedical) were used to **calibrate** the data ...

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